



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re A	Application of	)	
	Zack and Kagayama	)	Examiner: Gemeniano, Malou C.
Serial	No. 10/617,885	)	Group Art Unit: 1632
Filed:	July 14, 2003	)	Atty. Dkt. No. 01107.00368
For:	NEURONAL GENE EXPRESSION PATT	ERNS	

## INFORMATION DISCLOSURE STATEMENT

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Date: July 5, 2006

Lisa M. Hemmendinger

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USPTO Form 1449 U.S. Department of Commen Attorney Docket No. Serial No. Patent and Trademark Office 001107.00368 10/617,885 INFORMATION DISCLOSURE **CITATION** Applicant: Zack Sheet 1 of 5 Group: 1632 Filing Date: July 14, 2003 U.S. PATENT DOCUMENTS Class Subclass Filing Date Patent No. Date Name Examiner Initial (if appropriate) FOREIGN PATENT DOCUMENTS Document No. Date Country Class Subclass Translation Examiner Initial YES NO OTHER DOCUMENTS Auricchio et al., "Exchange of surface proteins impacts on viral vector cellular specificity and transduction characteristics: the retina as a model," Human Molecular Genetics 10, 3075-81, 2001 Bankiewicz et al., "Convection-enhanced delivery of AAV vector in parkinsonian monkeys; in vivo detection of gene expression and restoration of dopaminergic function using pro-drug approach," Exp. Neurol. 164, 2-14, July 2000 (abstract) Biewenga et al., "Plasmid-mediated gene transfer in neurons using the biolistics technique," J. Neurosci. Methods 71, 67-75, January 1997 (abstract) Blesch et al., "Modulation of neuronal survival and axonal growth in vivo by tetracycline-regulated neurotrophins expression," Gene Therapy 8, 954-60, June 2001 (abstract) Blesch & Tuszynski, "GDNF gene delivery to injured adult CNS motor neurons promotes axonal growth, expression of the trophic neuropeptide CGRP, and cellular protection," J. Comp. Neurol. 436, 399-410, August 2001 (abstract) Blits et al., "Pharmacological, cell, and gene therapy strategies to promote spinal cord regeneration," Cell Transplant. 11, 593-613, 2002 (abstract) Boylatsis et al., "Gene transfer into experimental brain tumors mediated by adenovirus, herpes simplex virus and retrovirus vectors," Hum. Gene Ther. 5, 183-91, February 1994 (abstract) Breakefield & DeLuca, "Herpes simplex virus for gene delivery to neurons," New Biol. 3, 203-18, March 1991 (abstract) Chen et al., "HSV amplicon-mediated neurotrphin-3 expression protects murine spiral ganglion neurons from cisplatin-induced damage," Mol. Ther. 3, 958-63, June 2001 (abstract) Cheng et al., "Human immunodeficiency virus type 2 (HIV-2) vector-mediated in vivo gene transfer into adult rabbit retina," Curr. Eye Res. 24, 196-201, March 2002 (abstract) Davar et al., "Comparative efficacy of expression of genes delivered to mouse sensory neurons with herpes virus vectors," J. Comp. Neurol. 339, 3-11, January 1994 (abstract) de Marco et al., "MR imaging of gene delivery to the central nervous system with an artificial vector," Radiology 208, 65-71, July 1998 (abstract) DATE CONSIDERED **EXAMINER** 

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USPTO Form 1449 Attorney Docket No. Serial No. U.S. Department of Commerce Patent and Trademark Office 001107.00368 10/617, 885 INFORMATION DISCLOSURE JUL 05 2006 CITATION Applicant: ZACK Sheet 2 of 5 Group: 1649 Filing Date: July 14, 2003 U.S. PATENT DOCUMENTS Filing Date Date Name Class Subclass Examiner Patent No. (if appropriate) Initial FOREIGN PATENT DOCUMENTS Subclass Translation Document No. Date Country Class Examiner Initial NO YES OTHER DOCUMENTS Di Polo et al., "Prolonged delivery of brain-derived neurotrophic factor by adenovirus-infected Müller cells temporarily rescues injured retinal ganglion cells," Proc. Natl. Acad. Sci. USA 95, 3978-83, March 1998 Eberhardt et al., "Protection by synergistic effects of adenovirus-mediated X-chromosome-linked inhibitor of apoptosis and glial cell line-derived neurotrophic factor gene transfer in the 1-methyl-4-phenyl-1,2,3,6tetrahydropyridine model of Parkinson's disease," J Neurosci. 2000 Dec 15;20(24):9126-34. Fathallah-Shaykh et al., "Gene Transfer into Brain Parenchyma Elicits Antitumor Effects," Cancer Res. 60, 1797-99, April 1, 2000 Garcia-Valenzuela et al., "Axon-mediated gene transfer of retinal ganglion cells in vivo," J. Neurobiol. 32, 111-22, January 1997 (abstract) Giehl & Tetzlaff, "BDNF and NT-3, but not NGF, prevent axotomy-induced death of rat corticospinal neurons in vivo," Eur. J. Neurosci. 7, 1167-75, June 1996 (abstract) Haas et al., "Single-cell electroporation for gene transfer in vivo," Neuron 29, 583-91, March 2001 (abstract) Hagihara et al., "Widespread gene transfection into the central nervous system of primates," Gene Ther. 7, 759-63, May 2000 (abstract) Han et al., "Transgene expression in the guinea pig cochlea mediated by a Lentivirus-derived gene transfer vector," Hum. Gene Ther. 10, 1867-73, July 20, 1999 (abstract) Hecker et al., "Nonviral gene delivery to the lateral ventricles in rat brain: initial evidence for widespread distribution and expression in the central nervous system," Mol. Ther. 3, 375-84, March 2001 (abstract) Hoffman et al., "NGF released from a polymer matrix prevents loss of ChAT expression in basal forebrain neurons following a fimbria-fornix lesion," Exp. Neurol. 110, 39-44, October 1990 (abstract) Hossain et al., "Human FGF-1 gene delivery protects against quinolinate-induced striatal and hippocampal injury in neonatal rats," Eur. J. Neurosci. 10, 2490-99, August 1998 (abstract) Hughes et al., "Axotomized septal cholinergic neurons rescued by nerve growth factor or neurotrphin-4/5 fail to express the inducible transcription factor c-Jun," Neurosci. 78, 1037-49, June 1997 (abstract) Isenmann et al., "Short communication: protection of axotomized retinal ganglion cells by adenovirally delivered BDNF in vivo," Eur. J. Neurosci. 10, 2751-56, August 1998 (abstract) Johnston et al., "Delivery of human fibroblast growth factor-1 gene to brain by modified rat brain endothelial cells," J. Neurochem. 67, 1643-52, October 1996 (abstract) Joung et al., "Effective gene transfer into regenerating sciatic nerves by adenoviral vectors: potentials for

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